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ASN: XEHB-6-00-08

DESCRIPTION: **Combined Modification Document -
Modification Note 61,**
Return of Extra VME Wideband Card From
Selected Sites

DATE OF ISSUE: July 27, 2000

QUANTITY OF ISSUE: EACH

**RETURN OF EXTRA VME WIDEBAND CARD FROM
SELECTED SITES**

**DOPPLER METEOROLOGICAL RADAR
WSR-88D**




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COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

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NWS APPROVAL:

 Date 7/27/00
John McNulty
Chief, Engineering Division

1. SUBJECT

Return of Extra VME Wideband Card from Selected Sites.

2. PURPOSE

This document provides instructions to remove the extra wideband card in the Versa Module Eurocard (VME) chassis and return it to the National Reconditioning Center (NRC). To replenish the critically low supply of spare wideband cards at the National Logistics Support Center (NLSC), selected NWS sites, with the exception of sites with RIDDS, are to return the extra wideband card to the NRC. The authority for this modification is Operational Support Facility (OSF) Configuration Change Request (CCR) 99-00095.

For additional information concerning this document, contact the OSF Hotline, Norman, OK; phone number: (800) 643-3363. An electronic copy of this document can be found at the following Internet address:
www.osf.noaa.gov/ssb/sysdoc/techman/tmlinks.asp

3. SITES AFFECTED

See [ATTACHMENT 2](#) for a complete listing of sites affected.

4. ESTIMATED COMPLETION DATE

This modification must be completed no later than 60 days after receipt of this document and kit.

5. EQUIPMENT AFFECTED

Radar Product Generation (RPG) Group.

6. SPARES AFFECTED

Return the extra wideband card to the NRC.

7. MODIFICATION ACCOMPLISHED BY

Site electronics technicians will accomplish this task. Two technicians are required to perform these procedures.

8. MATERIAL REQUIRED

Nomenclature	Part Number	Qty
Slot cover	N/A	1
Jumper	276-1512A	1 pkg
Box with ESD bag	N/A	1
Federal Express label	N/A	1

9. SOURCE OF MATERIALS

Kits are requisitioned by the OSF Logistics Section and shipped at no cost to the sites.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

Not applicable.

11. TIME AND PERSONNEL REQUIRED

Work Phases	Work-Hours
Unpacking	0.1
Disassembly	0.5
Installation	0.2
Assembly	0.0
Operational Check	0.0
Total Work-Hours	0.8

12. DOCUMENTS AFFECTED

Not applicable.

13. VERIFICATION STATEMENT

This modification was successfully completed at the OSF.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS

Immediately return the extra wideband card to the NRC using the supplied box, Electrostatic Discharge (ESD) bag, and Federal Express label.

Attach the WS Form H-14, Equipment Return Tag, to the Wideband Card marked with the following information:

NSN, part number, and part name

For Remarks, write "Parts returned for stock under Mod Note 61."

15. PROCEDURES

See [ATTACHMENT 1](#).

16. FAA DISTRIBUTION

Not applicable.

17. CHANGES TO TABLE OF CONTENTS (FAA)

Not applicable.

18. RECOMMENDATIONS FOR CHANGES (FAA)

Not applicable.

19. REPORTING INSTRUCTIONS

NWS

Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to the instructions in Engineering Handbook No. 4 (EHB-4), Engineering Management Reporting System (EMRS), part 2. Include the following information on the WS Form A-26:

- An Equipment Code of RPG in Block 7.
- The appropriate serial number in Block 8.
- The Type Maintenance of M in Block 9.
- An Action Taken of M in Block 10
- A How Malfunction of 999 in Block 11.
- A Mod No. of 61 in Block 17a.

See ATTACHMENT 4 for a completed sample of WS Form A-26.

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Complete [ATTACHMENT 3](#), and return the information to the OSF using any of the four methods below:

- (1) Mail Address: System Support Branch, Logistics Section
 WSR-88D Operational Support Facility
 3200 Marshall Ave., Suite 101
 Norman, Oklahoma 73072-8028
- (2) Fax Number: (405) 366-6553
 ATTN: Logistics Section
- (3) E-mail Address: Logistics@osf.noaa.gov
- (4) Web Version: <http://www.osf.noaa.gov/ssb/logistics/complete/>

ATTACHMENT 1

WIDEBAND CARD REMOVAL PROCEDURES

Tool Required

Screwdriver set, flat-tip

NOTE

If you have RDA/RPG Remote Access Terminal installed, refer to the corresponding keystrokes applying to your system (i.e., <Enter> versus <Return> and <Alt><Tab> versus <Shift> and <Port> keys). RDA/RPG Remote Access Terminal keystroke differences will be located in the conversion chart provided with the RDA/RPG Remote Access Terminal installation kit. All keystrokes having a double underline will require you to refer to the conversion chart for the applicable key strokes (i.e., <Return> will convert to <Enter>).

****ESD** CAUTION **ESD****

All WSR-88D printed circuit cards contain electrostatic sensitive devices which require special handling.

1. Perform the following RPG shutdown procedures:
 - a. Generate a Free Text Message (FTM) to alert all users of the upcoming downtime.
 - b. At the UCP Application Terminal, press function key **<F1>** to display the RPG Main menu.
 - c. At the RPG Main menu, enter **U,SH,O<Return>** and verify the message **RPG SHUTDOWN** is displayed.
 - d. Press the **<Shift>** and **<Port>** keys simultaneously to access the System Console.
 - e. If **RPG: END OF TASK Ø** is not displayed, enter **RPGABORT<Return>** and wait for the message **THERE NOW DON'T WE FEEL BETTER?**.
 - f. At the RPG System Console, enter **D TA<Return>** and observe no tasks are found. If no tasks are found, proceed to the next step. If tasks are found, enter **CA_{taskid}<Return>** to cancel each task remaining.
 - g. Enter **ERR LOG,OFF<Return>** to mark log off.
 - h. Enter **MA DSCØ:,OFF<Return>** to mark disk Ø off.
 - i. Enter **D D/D<Return>** to verify all disks are marked off.

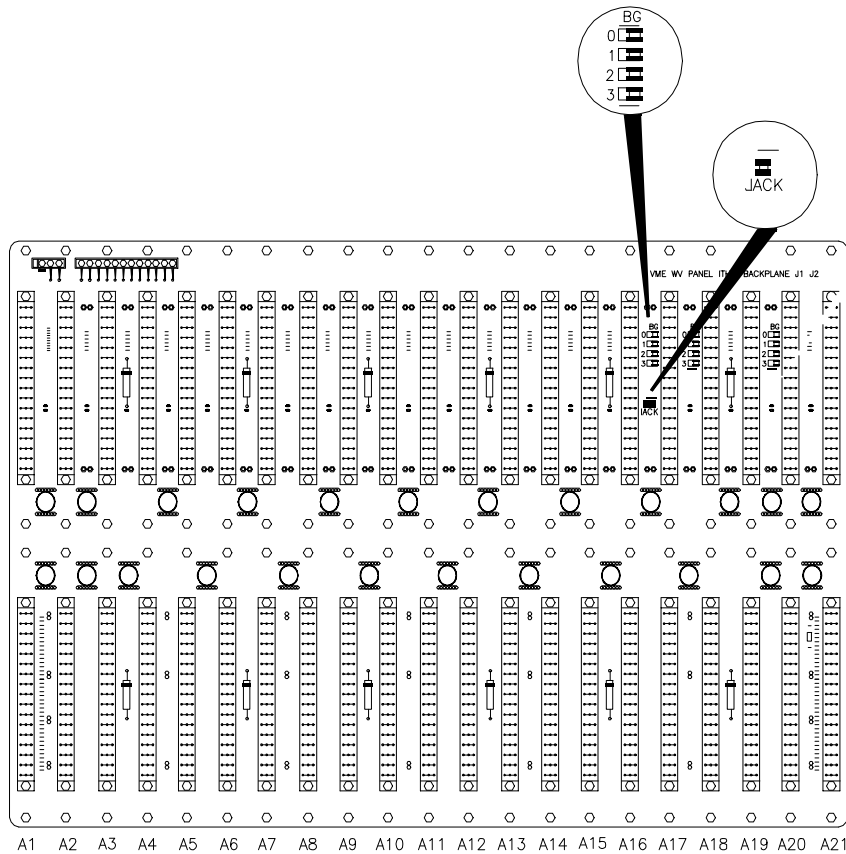
ATTACHMENT 1 (Continued)

WIDEBAND CARD REMOVAL PROCEDURES

- j. Simultaneously press the **<Ctrl>** and **V** keys twice, and then press the **<Return>** key. Verify the CDS> prompt is displayed.
 - k. At the CDS> prompt, enter **KEY 1,password<Return>**.
 - l. At the CDS> prompt, enter **HA<Return>**.
 - m. At the CDS> prompt, enter **PO OFF<Return>**.
2. Perform the following procedures to remove the extra wideband card from UD21A4A15:
- a. Open the left front cabinet door, and locate the VME Chassis UD21A4.
 - b. Set the power switch on the VME chassis to the **OFF** position.
 - c. Place the ESD wrist strap on, and attach the clip to the chassis ground.
 - d. Locate the wideband card in slot 15, and loosen the captive flat-tip screws from the top and bottom of the wideband card.
 - e. Remove the circuit card by pushing the circuit card tabs away from the center of the board and pulling the card away from the chassis. Place the removed wideband card in the ESD bag provided in the kit.
 - f. Using a flat-tip screwdriver, remove slot covers 16 through 19.
 - g. Attach the five (5) jumpers, provided in the kit, into the chassis, as shown in Figure 1.
 - h. Reinstall the slot covers, including the new cover provided in the kit, to cover all the open slots from slot 15 through 19.
 - i. Remove the ESD wrist strap, and close the left front cabinet door.
 - j. Set the power switch on the VME chassis to the **ON** position.
3. Perform the following RPG start-up procedures:
- a. At System Console, press the **<Ctrl>** and **V** key twice to get the CDS> prompt. You may have to press the **<Return>** key several times until the CDS> prompt appears.
 - b. At the CDS> prompt, enter **KEY 1,password<Return>**.
 - c. At the CDS> prompt, enter **PO ON<Return>**.
4. Using the box provided in the kit, with the Federal Express label, return the wideband card to the NRC.

ATTACHMENT 1 (Continued)

WIDEBAND CARD REMOVAL PROCEDURES



NOTES:

BG 0-3
JACK } JUMPERS MUST BE ON IF SLOT IS EMPTY TO PASS SIGNALS DOWN BUS

JUMPERS LOCATED TO THE LEFT OF THE SLOTS ARE THE JUMPERS FOR THAT SPECIFIC SLOT

SLOT 1 HAS NO JUMPER OPTIONS.

EX: JUMPER SETTINGS FOR
EMPTY SLOT

BG
0 I
1 I
2 I
3 I
JACK I

NO JUMPER SETTINGS IF A BOARD
IS IN THE SLOT

BG
0 :
1 :
2 :
3 :
JACK :

Figure 1. Jumper Settings

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ATTACHMENT 2

EFFECTIVITY

Site Name	Site ID	Org Code
Eastern Region		
WFO Buffalo, NY	BUF	WN9528
WFO Burlington, VT	BTV	WN9617
WFO Caribou, ME	CAR	WN9938
Southern Region		
WFO Shreveport, LA	SHV	WP9248
WFO San Angelo, TX	SJT	WP9263
WFO Midland/Odessa, TX	MAF	WP9265
WFO El Paso, TX	EPZ	WP9270
WFO Knoxville, TN	MRX	WP9325
WFO Nashville, TN	OHX	WP9327
Central Region		
WFO Indianapolis, IN	IND	WR9438
WFO Pleasant Hill, MO	EAX	WR9446
WFO Wichita, KS	ICT	WR9450
WFO Topeka, KS	TOP	WR9456
WFO Minneapolis, MN	MPX	WR9658
WFO Chicago, IL	LOT	WR9969
Western Region		
WFO Boise, ID	BOI	WT9681
WFO San Diego, CA	SGX	WT9918

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ATTACHMENT 3

WIDEBAND CARD RETURN

Site Name: _____

Site Identifier: _____

Total Time to Complete this Modification: _____

Technician's Name(s): _____

Technician's Phone Number: _____

Date Completed: _____

Problem(s) Encountered:

Upon completion of this form, return the information to the OSF using one of the four methods below:

1. Mailing Address: System Support Branch, Logistics Section
WSR-88D Operational Support Facility
3200 Marshall Ave., Suite 101
Norman, OK 73072-8028
2. FAX Number: (405) 366-6553
ATTN: Logistics Section
3. E-mail Address: Logistics@osf.noaa.gov
4. Web Version: <http://www.osf.noaa.gov/ssb/logistics/complete/>

ENGINEERING MANAGEMENT REPORTING SYSTEM MAINTENANCE RECORD				Document Number G 51301	
1. Open Date 08 / 06 / 00		Time 0900		2. Initials DKR	
3. Response Priority (check one) <input type="radio"/> Immediate <input type="radio"/> Routine		3. Response Priority (check one) <input type="radio"/> Immediate <input type="radio"/> Routine		4. Close Date 08 / 06 / 00	
Time 1030					
5. Description PERFORM MODIFICATION TO THE RPG I.A.W. MOD NOTE 6					
6. Station ID BUF		7. Equipment Code RPG		8. Serial Number AA44305101	
9. TM M		10. How Mal. 999			
12. EQUIPMENT OPERATIONAL STATUS TIMES		a. Fully Operational <input type="checkbox"/>		b. Logistics Delay <input type="checkbox"/>	
c. All Other <input type="checkbox"/>		d. Logistics <input type="checkbox"/>		e. All Other 1:30	
13. Parts Failure Information					
Block #	a. ASN	b.	c. TM	d. How Mal.	e. Maint. Hrs.
1					
2					
3					
4					
5					
14. Work Load Information					
Type	Staff Hrs.				
a. Routine					
b. Non-routine					
c. Travel					
d. Misc	1:30				
e. Overtime					
15. Main Comments RETURNED VME WIDEBAND CARD TO NRC					
16. Initials DKR					
17. SPECIAL PURPOSE REPORTING		a. Mod. No. 61	b. Mod /Act./Deact Date 08/06/00	c.	d.
18. CONFIGURATION MGMT. REPORTING (use as directed)		ASN		Serial Number (New Part)	
		Vendor Part Number (New Part)		Serial Number (Old Part)	